

SEP1004K SERIES

High Current SMD Power Inductors



RoHS Compliant

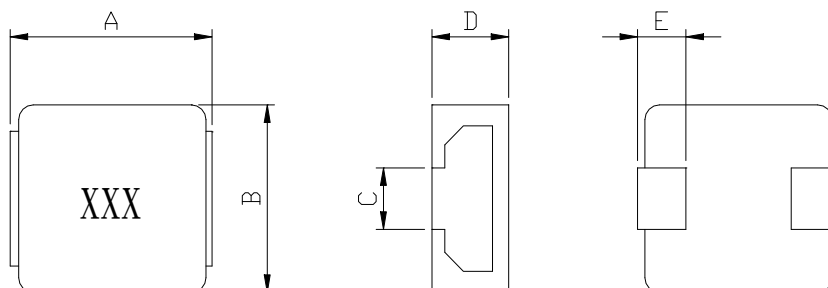
PART NUMBERING SYSTEM

<u>SEP</u>	<u>1004K</u>	—	<u>4R7M</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Low profile.
- High Performance.
- Suitable for large current application.
- Laptop&Notebook computers.
- Battery powered equipment.
- DC/DC converters.
- Digital 、 Cameras 、 Scanners, CD-ROM & DVD.

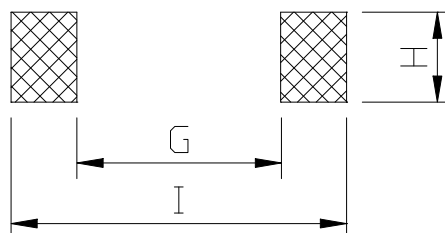
SHAPES AND DIMENSIONS :



$A=10.7\pm0.4$ $B=10.0\pm0.4$ $C=4.0\pm0.2$ $D=4.0\text{Max.}$ $E=2.2\pm0.3$

UNIT : mm

RECOMMENDED PATTERNS



$G= 5.0$ $H= 4.6$ $I = 12.6$

UNIT : mm

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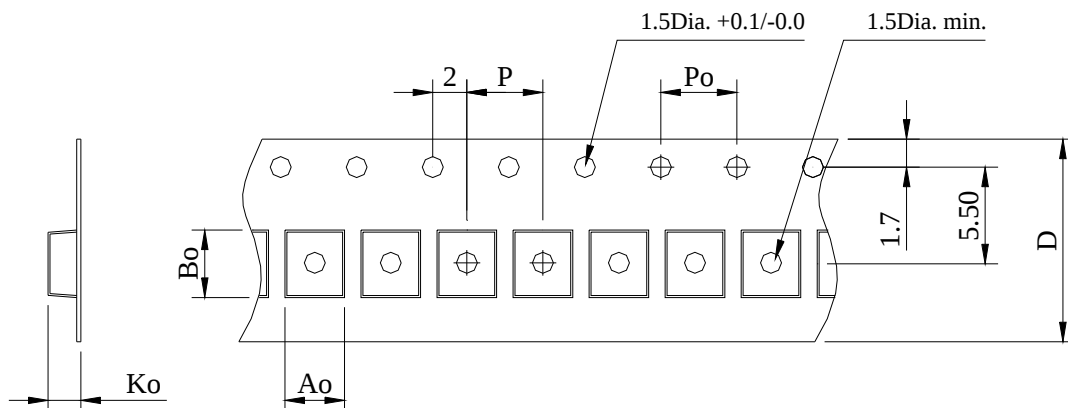
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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Max.)	Irms (A) (Max.)	DCR (m Ω) (Max.)	TEST FREQ. (f)
SEP1004K-R22M-LF	0.22 $\pm$ 20%	50.0	32.0	1.50	100KHz/0.1V
SEP1004K-R36M-LF	0.36 $\pm$ 20%	60.0	31.5	1.40	100KHz/0.1V
SEP1004K-R56M-LF	0.56 $\pm$ 20%	49.0	27.5	1.80	100KHz/0.1V
SEP1004K-1R0M-LF	1.0 $\pm$ 20%	36.0	17.5	4.10	100KHz/0.1V
SEP1004K-1R5M-LF	1.5 $\pm$ 20%	27.5	15.0	5.80	100KHz/0.1V
SEP1004K-2R2M-LF	2.2 $\pm$ 20%	25.6	12.0	9.00	100KHz/0.1V
SEP1004K-3R3M-LF	3.3 $\pm$ 20%	18.6	10.0	11.8	100KHz/0.1V
SEP1004K-4R7M-LF	4.7 $\pm$ 20%	17.0	9.50	16.5	100KHz/0.1V
SEP1004K-5R6M-LF	5.6 $\pm$ 20%	16.0	8.50	19.3	100KHz/0.1V
SEP1004K-8R2M-LF	8.2 $\pm$ 20%	13.5	8.00	23.3	100KHz/0.1V
SEP1004K-100M-LF	10 $\pm$ 20%	12.0	6.80	36.5	100KHz/0.1V
SEP1004K-150M-LF	15 $\pm$ 20%	7.0	3.50	90.0	100KHz/0.1V
SEP1004K-220M-LF	22 $\pm$ 20%	3.0	2.00	120.0	100KHz/0.1V

- Isat : DC current at which the inductance drops 20% (typ) from its value without current.
- I rms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C , Electrical specifications at 25°C.

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D $\pm$ 0.3
13"	500	11.2	10.8	4.4	12	4.0	16